



CGMS-39, CMA-WP-07

Prepared by CMA
Agenda Item: G.I /7
Discussed in WG I

FREQUENCIES OF THE DESCRIBED CMA MISSIONS

Summary of the Working Paper.

This paper is prepared in response to Action WGI 38.15.

Action 38.15 CGMS members to provide to each CGMS meeting a list of frequencies used by their current and future systems in the format provided in WG I report (Annex 1).
Deadline: CGMS-39

**FREQUENCIES OF THE DESCRIBED CMA MISSIONS
(STATUS: 26 MAY 2011)**

TABLE 1: EARTH-SPACE

| SATELLITE | FREQUENCY(MHz) | DIRECTION | EMISSION | APPLICATINO | D.B.I.U |
|-----------|-----------------------|-----------|-----------|-------------|----------|
| FY-4s | 401.1-401.4MHz | E-S | | DCP | 2014 |
| | 402.0-402.1MHz | E-S | | DCP | |
| | 8175-8215 MHz | E-S | | HRIT | |
| | 2056.5-2057.5MHz | E-S | | LRIT | |
| | 2042-2052MHz | E-S | | Ranging | |
| | 2025-2110MHz | E-S | | TC | |
| FY-2s | 401.1-401.4MHz | E-S | | DCP | In orbit |
| | 402.0-402.1MHz | E-S | | DCP | |
| | 2046.5-2048.5 MHz | | 2M00G1D-- | | |
| | 2050.87-2051.13MHz | E-S | 260KFXD-- | | |
| | 2059.487-2059.513 MHz | E-S | 26K0FXD-- | | |
| | 2056.5-2057.5 MHz | E-S | 70K0FXD-- | | |
| | 2050-2051 MHz MH | E-S | 1M00G2W-- | | |
| | 2046-2047 MHz | E-S | 1M00G2W-- | | |
| | 2044-2045 MHz | E-S | 1M00G2W-- | | |
| FY-3s | None | | | | |
| FY-1D | None | | | | |

TABLE 2: SPACE-EARTH

| SATELLITE | FREQUENCY(MHz) | DIRECTION | EMISSION | APPLICATINO | D.B.I.U |
|-----------|-----------------------|-----------|-----------|-------------|----------|
| FY-4s | 1686-1692MHz | S-E | | DCP | 2014 |
| | 7450-7550 MHz | S-E | | Raw Data 1 | |
| | 1675-1687MHz | S-E | | HRIT | |
| | 1696 -1698MHz | S-E | | LRIT | |
| | 1689-1697MHz | S-E | | Ranging | |
| | 2222-2232MHz | | | | |
| | 18.1-18.4GHz | S-E | | Raw Data 2 | |
| | 2200-2290MHz | S-E | | TM | |
| FY-2s | 1671.6-1691.6MHz | S-E | 20M0G1D-- | Raw Data | In orbit |
| | 1686.5-1688.5MHz | S-E | 2M00G1D-- | | |
| | 1690.87-1691.13 MHz | S-E | 260KFXD-- | | |
| | 1690-1691 MHz | S-E | 1M00G2W-- | | |
| | 1699.487-1699.513 MHz | S-E | 26K0FXD-- | | |
| | 1684-1685 MHz | S-E | 1M00G2W-- | | |



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|-------|---------------------|-----|-----------|-------|----------|
| | 1702-1703 MHz | S-E | 1M00G2W-- | | |
| | 1709-1709.3 MHz | S-E | 400HG1D-- | | |
| | 1709.9-1708 MHz | S-E | 400HG1D-- | | |
| FY-3s | 1701.1-1707.9MHz | S-E | 6M80G1W-- | CHRPT | In orbit |
| | 7752.5-7797.5MHz | S-E | 45M0G1W-- | MPT | |
| | 8071.45-8220.45 MHz | S-E | 149MG1W-- | DPT | |
| FY-1D | 1706.96-1709.96 MHz | S-E | 3M00G1D-- | | In orbit |
| | 1697.9-1702.9 MHz | S-E | 5M00G1D-- | | |